

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Boyle

Serial No.: 10,825,898

Group Art Unit No.: 1644

Filed: April 15, 2004

Examiner: Schwadron, Ronald B.

For: Osteoprotegerin Binding Proteins and  
Receptors

Confirmation No.: 8965

Docket No.: A-451N

**AMENDMENTS TO THE SEQUENCE LISTING AND  
ATTORNEY'S STATEMENT PURSUANT TO 37 CFR 1.821**

Mail Stop RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant submits herewith a replacement sequence listing in "txt" format, which is a compliant ASCII text file that will serve as both the paper copy required by §1.821(c) and computer-readable form (CRF) required by §1.821(e). Please replace the prior paper copy of the sequence listing with the enclosed "txt" version of the sequence listing. The following amendments to the prior sequence listing are noted below.

Applicant states that no new matter has been introduced as a result of these amendments that goes beyond the disclosure of the application as filed.

In Seq ID No. 33

- Description of Artificial Sequence amended to read: Synthetic peptide

In Seq ID No. 34

- Description of Artificial Sequence amended to read: Synthetic peptide

In Seq ID No. 35

- Description of Artificial Sequence amended to read: Synthetic peptide

In Seq ID No. 36

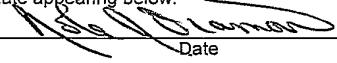
- Description of Artificial Sequence amended to read: Synthetic peptide

In Seq ID No. 41

- Residues 75-316 of SEQ ID No. 2 included in SEQ ID No. 41

**CERTIFICATE OF EFS-WEB TRANSMISSION**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted electronically through EFS-WEB to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on the date appearing below.

  
Date

9/3/07  
Signature

- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 75-316 of SEQ ID NO:2.

In Seq ID No. 42 and 43

- Organism type changed from Artificial Sequence to *Mus Musculus*.

In Seq ID No. 44

- Residues 95-316 of SEQ ID No. 2 included in SEQ ID No. 44
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 95-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 45

- Residues 107-316 of SEQ ID No. 2 included in SEQ ID No. 45
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 107-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 46

- Residues 118-316 of SEQ ID No. 2 included in SEQ ID No. 46
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 118-316 of SEQ ID NO:2.

In Seq ID No. 47

- Residues 128-316 of SEQ ID No. 2 included in SEQ ID No. 47
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 128-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 48

- Residues 137-316 of SEQ ID No. 2 included in SEQ ID No. 48
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 137-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 49

- Residues 146-316 of SEQ ID No. 2 included in SEQ ID No. 49
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 146-316 of SEQ ID NO:2.

In Seq ID No. 50

- Residues 156-316 of SEQ ID No. 2 included in SEQ ID No. 50
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 156-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 51

- Residues 158-316 of SEQ ID No. 2 included in SEQ ID No. 51
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 158-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 52

- Residues 166-316 of SEQ ID No. 2 included in SEQ ID No. 52
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 166-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 53

- Residues 168-316 of SEQ ID No. 2 included in SEQ ID No. 53
- Description of Artificial Sequence amended to read: Synthetic protein construct of residues 168-316 of SEQ ID NO:2 with additional N-terminal methionine residue.

In Seq ID No. 54

- Description of Artificial Sequence amended to read: Synthetic peptide

Respectfully submitted,



Robert B. Winter  
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Date: September 3, 2009

Please send all future correspondence to:

**21069**

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